

Practice

Area of Triangles, Rhombi, and Trapezoids

Find each missing measure.

1. The area of a triangle is 216 square units. If the height is 18 units, what is the length of the base?

2. The diagonals of a rhombus are 21 and 16 centimeters long. Find the area of the rhombus.

3. The area of a trapezoid is 80 square units. If its height is 8 units, find the length of its median.

4. The height of a trapezoid is 9 cm. The bases are 8 cm and 12 cm long. Find the area.

5. A trapezoid has an area of 908.5 cm^2 . If the altitude measures 23 cm and one base measures 36 cm, find the length of the other base.

6. The measure of the consecutive sides of an isosceles trapezoid are in the ratio 8:5:2:5. The perimeter of the trapezoid is 140 inches. If its height is 28 inches, find the area of the trapezoid.